CLAIMS

1. A display apparatus for presentation comprising a pointing device equipped with means for detecting angular velocities in horizontal and vertical directions and means for transmitting detected angular velocity information and an image display device having means for receiving angular velocity information transmitted from the pointing device and equipped with a function of moving a selection marker across a plurality of menu items arranged in vertical and horizontal directions and displayed on a screen in accordance with the received angular velocity information,

the display apparatus for presentation characterized by provision of means for determining a menu item to which the selection marker should be moved in accordance with the number of cycles of sampling the angular velocities during which the move distance of the pointing device obtained for every sampling cycle from said angular velocity information exceeds a predetermined value continuously.

2. A display apparatus for presentation comprising a pointing device equipped with means for detecting angular velocities in horizontal and vertical directions and means for transmitting detected angular velocity information and an image display device having means for receiving angular velocity information transmitted from the pointing device and equipped with a function of presenting an indicator for value setting in a menu item displayed on a screen and making the indicator slide in a value incremental or decremental direction in accordance with the received angular velocity information,

the display apparatus for presentation characterized by provision of means for determining the amount of increment or decrement of the indicator for value setting in accordance with the

number of cycles of sampling the angular velocities during which the move distance of the pointing device obtained for every sampling cycle from said angular velocity information exceeds a predetermined value continuously.

3. A display apparatus for presentation comprising a pointing device equipped with means for detecting angular velocities in horizontal and vertical directions and means for transmitting detected angular velocity information and an image display device having means for receiving angular velocity information transmitted from the pointing device and equipped with a panning function of moving an image displayed on a screen in accordance with the received angular velocity information,

the display apparatus for presentation characterized by provision of means for panning by a distance in accordance with the number of cycles of sampling the angular velocities during which the move distance of the pointing device obtained for every sampling cycle from said angular velocity information exceeds a predetermined value continuously.

4. A display apparatus for presentation comprising a pointing device equipped with means for detecting angular velocities in horizontal and vertical directions and means for transmitting detected angular velocity information and an image display device having means for receiving angular velocity information transmitted from the pointing device and equipped with a picture-in-picture function to move or enlarge a sub-screen displayed on a screen in accordance with the received angular velocity information, the display apparatus for presentation characterized by moving or enlarging the sub-screen by a distance in accordance with the number of cycles of sampling the angular velocities during which the move distance of the pointing

device obtained for every sampling cycle from said angular velocity information exceeds a predetermined value continuously.

5. A display apparatus for presentation comprising a pointing device equipped with means for detecting angular velocities in horizontal and vertical directions and means for transmitting detected angular velocity information and an image display device having means for receiving angular velocity information transmitted from the pointing device and equipped with a function of presenting an indicator for value setting in a menu item displayed on a screen and making the indicator slide in a value incremental or decremental direction in accordance with the received angular velocity information,

the display apparatus for presentation characterized by provision of means for changing the rate of increment or decrement of the indicator for value setting in accordance with the number of cycles of sampling the angular velocities during which the move distance of the pointing device obtained for every sampling cycle from said angular velocity information exceeds a predetermined value continuously.

6. A display apparatus for presentation comprising a pointing device equipped with means for detecting angular velocities in horizontal and vertical directions and means for transmitting detected angular velocity information and an image display device having means for receiving angular velocity information transmitted from the pointing device and equipped with a function of moving a cursor or pointer displayed on a screen in accordance with the received angular velocity information,

the display apparatus for presentation characterized by provision of means for moving the cursor or pointer by a distance in accordance with the number of cycles of sampling the angular

velocities during which the move distance of the pointing device obtained for every sampling cycle from said angular velocity information exceeds a predetermined value continuously.

7. A display apparatus for presentation comprising a pointing device equipped with means for detecting angular velocities in horizontal and vertical directions and means for transmitting detected angular velocity information and an image display device having means for receiving angular velocity information transmitted from the pointing device and equipped with a function of moving a pointer displayed on a screen in accordance with the received angular velocity information,

the display apparatus for presentation characterized by provision of means for changing the rate at which the pointer moves in accordance with the number of cycles of sampling the angular velocities during which the move distance of the pointing device obtained for every sampling cycle from said angular velocity information exceeds a predetermined value continuously.

8. A display system comprising a display device and a pointing device associated with the display device and for use to operate upon an object to change displayed on a display screen by said display device, the display system characterized by including:

a position information detecting means for detecting position information on positions indicated by said pointing device;

a move information sampling means for sampling the move distance between said indicated positions per unit time, based on the position information detected by the position information detecting means; and

a change amount determining means for determining the amount of change of said object to change on said display screen, based on the

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number of cycles of sampling during which the move distance between said indicated positions per unit time, sampled by the move information sampling means, exceeds a threshold continuously.

9. A pointing device associated with a display device and for use to operate upon an object to change displayed on a display screen by the display device, the pointing device characterized by including a position information detecting means for detecting position information on positions indicated by the pointing device, wherein, based on the position information, the position information detecting means samples the move distance between said indicated positions per unit time and determines the amount of change of said object to change on said display screen, based on the number of cycles of sampling during which the sampled move distance between said indicated positions per unit time exceeds a threshold continuously.

10. A display device associated with a pointing device for use to operate upon an object to change on a display screen, the display device characterized by including a change amount determining means, wherein, based on position information on positions indicated by said pointing device, the change amount determining means samples the move distance between said indicated positions per unit time and determines the amount of change of said object to change on said display screen, based on the number of cycles of sampling during which the sampled move distance between said indicated positions per unit time exceeds a threshold continuously.

11. A display system comprising a display device and a pointing device associated with the display device and for use to operate upon an object to change displayed on a display screen by said display device, the display system characterized by including:

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an angular velocity detecting means for detecting angular velocity information on positions indicated by said pointing device;

a move information sampling means for sampling the move distance between said indicated positions per unit time, based on the angular velocity information detected by the angular velocity detecting means; and

a change amount determining means for determining the amount of change of said object to change on said display screen, based on the number of cycles of sampling during which the move distance between said indicated positions per unit time, sampled by the move information sampling means, exceeds a threshold continuously.

12. A display system comprising a display device and a pointing device associated with the display device and for use to move a pointer position pointing on a display screen displayed by said display device, the display system characterized by including:

a position information detecting means for detecting position information on positions indicated by said pointing device;

a move information sampling means for sampling the move distance between said indicated positions per unit time, based on the position information detected by the position information detecting means; and

a move distance determining means for determining a distance by which said pointer position should be moved, based on the number of cycles of sampling during which the move distance between said indicated positions per unit of time, sampled by the move information sampling means, exceeds a threshold continuously.